



# Kentucky Academic Course Code List

Agricultural Education  
without Certification

## Kentucky Academic Course Codes

The Kentucky Department of Education (KDE) initiated a course code project under the direction of Commissioner Pruitt in January 2017. The project ensures Kentucky is providing equitable opportunity and access to research-based student experiences that impact student success.

The results of the project include an alignment of core academic course codes to Kentucky Academic Standards. The standards aligned to the core academic course codes cannot be changed. The alignment serves as a guarantee to students across the Commonwealth that all students have equitable access to Kentucky Academic Standards. The project also provides an alignment to Kentucky's new Accountability System, 703 KAR 5:270, which measures opportunity and access provided to students across Kentucky.

The Kentucky Academic Course Code List contains a listing of course codes and descriptions along with certifications that fit the parameters for given courses. The content listed for a course cannot be changed; however, the grade range and population information listed for each course are not absolute and can vary slightly depending on the needs of the school and teacher certifications. Districts should choose the course that most closely represents the content in a given course. ***The description and content of a course are the determining factors in what should be selected.***

### Contact Information:

- Districts may contact [CourseCodes@education.ky.gov](mailto:CourseCodes@education.ky.gov) with questions pertaining to course codes, course content and course-standards alignment.
- Districts may contact the EPSB Division of Certification at (502) 564-4606 or [dcert@ky.gov](mailto:dcert@ky.gov) with question pertaining to certification.
- Districts may contact KHEAA at (502) 696-7397 or [kees@kheaa.com](mailto:kees@kheaa.com) with questions pertaining to KEES eligibility.

## HOW TO USE THIS DOCUMENT

This document contains a listing of course codes and descriptions along with certifications that fit the parameters for given courses. The grade range listed for each course are not absolute. Please choose the course that most closely represents the content in a given course.

### EXAMPLE

John Q Middle School had 5<sup>th</sup>, 6<sup>th</sup>, and 7<sup>th</sup> grade students taking a Visual Art course. This course would be linked to course number **500711: Visual Art – Comprehensive**, which shows a recommended grade range of 6 – 12.

Schools will link their courses on the Infinite Campus “Course Master” tab OR in the “Course” tab to courses listed in this document.

Schools may have created courses that are very unique in order to meet students’ needs. If a course does not meet the definition or content of one contained in this document, please use course number **909999: School Defined Course**, and define the correct content through the LEAD report.

The course code 909999 should be used in situations where a current course code does not exist and there are no existing Kentucky Academic Standards aligned to the course. Local Boards of Education should approve the use of a district's use of a 909999 course code *before* a district begins utilizing it within Infinite Campus. Please see the [Guiding Principles For Using Course Code 909999](#) for more information.

## **CERTIFICATIONS**

It is important to note that the certificates listed are the ones that fit ***ALL*** of the parameters for a specific course; there may be other certificates that can teach it with slightly more restrictive parameters.

Please take note of the following information from *The Kentucky Academic Standards* with regard to middle school courses that are offered for high school credit.

### **High School Credit Earned in Middle School**

It is expected that most students will earn high school credits during their high school years. However, local school districts may offer high school courses to middle level students if the following criteria are met:

- the content and the rigor of the course are the same as established in the *Kentucky Academic Standards*
- the students demonstrate mastery of the middle level content as specified in the *Kentucky Academic Standards*
- the district has criteria in place to make reasonable determination that the middle level student is capable of success in the high school course
- **the middle level course is taught by teachers with either secondary or middle level certification with appropriate content specialization**

Although middle level courses list the Provisional and Standard Elementary Certificates, Grades 1-8 as allowable under the parameters of these courses, they will not meet the above requirements for courses that are offered for high school credit.

***This document is a guide; therefore the EPSB disclaims any warranties as to the validity of the information in this document. Users of this document are responsible for verifying information received through cross-referencing the official record in the EPSB's Division of Certification. The EPSB shall not be liable to the recipient, or to any third party using this document or information obtained therefrom, for any damages whatsoever arising out of the use of this document.***

# **Agricultural Education Program Area (010000)**

This program area consists of courses that prepare students for successful careers and a life time of informed choices in the global food, fiber, and natural resources system.

# **Agricultural Education - Agribusiness (010100)**

Career Major- A group of courses that prepare individuals in agribusiness, including applying scientific methods and skills of finance, management practices, marketing, economics accounting taxes, business principles, inventory, and personal management. Any course not found under this career major/sub code, may be found in another career major/sub code within this program area.

---

## **010101 - Advanced Agricultural Economics and Agribusiness Management**

**Grade Level:** 10 - 12

**Credits:** 1

**Description:** Describes the theories, principles of sound business and economics practices, including marketing, finance, record keeping, inventories, personal management, tax laws, labor management, future trading, etc.

**Content:** Agriculture

**Population:** General

---

## **010102 - Special Topics, Agribusiness**

**Grade Level:** 11 - 12

**Credits:** 1-3

**Description:** Instruction related to Agribusiness but not described in other courses.

**Content:** Agriculture

**Population:** General

---

## **010110 - Agriculture Communications**

**Grade Level:** 10 - 12

**Credits:** 1

**Description:** A course that describes theories, principles and the practice of sound communication skills, including writing, public speaking, non-verbal communication. Includes TV, radio, print, and internet media.

**Content:** Agriculture

**Population:** General

---

---

## 010111 - Agriculture Sales & Marketing

**Grade Level:** 10 - 12

**Credits:** 1

**Description:** A course that describes theories, principles of sound sales and marketing practices including customer relations, displays, advertising, marketing plans, etc.

**Content:** Agriculture

**Population:** General

---

## 010121 - Agriculture Employability Skills

**Grade Level:** 10 - 12

**Credits:** 1

**Description:** A course that describes theories, principles and the application of sound employability skills, including writing resumes, job interview skills, competing applications, dress, appearance, communication skills, etc.

**Content:** Agriculture

**Population:** General

---

## 010131 - Agribusiness/Farm Management

**Grade Level:** 10 - 12

**Credits:** 1

**Description:** A course that describes theories, principles and the application of farm and business management principles including marketing, financial management, economics, record keeping, inventories, futures trading, labor management, etc.

**Content:** Agriculture

**Population:** General

# **Agricultural Education - Power, Structural and Technical Systems (010200)**

Career Major: A group of courses that prepare individuals for mechanics and engineering for Agriculture, including design, construction, operation, maintenance, repair, sales and service and marketing machinery, equipment and structures. Any course not found under this career major/sub code, may be found in another career major/sub code within this program.

---

## **010211 - Agriculture Structures & Design**

**Grade Level:** 10 - 12

**Credits:** 1

**Description:** A course that describes theories, principles, the application of design and construction of agriculture structures. Includes principles of carpentry, electricity, plumbing, reading blueprints, use and care of tools, safety, etc.

**Content:** Agriculture

**Population:** General

---

## **010212 - Agriculture Power & Machinery Operation**

**Grade Level:** 9 - 12

**Credits:** 1

**Description:** A course that describes theories, principles and the application of operating, repairing, and maintaining agriculture machinery and equipment. Includes principles of engines, hydraulics, welding, electricity, motor, and safety.

**Content:** Agriculture

**Population:** General

---

## **010231 - Small Power & Equipment**

**Grade Level:** 10 - 12

**Credits:** 1

**Description:** A course that describes theories, principles, and the application of operating, repairing, maintaining of power equipment and small engines. Includes welding, sales, marketing and safety.

**Content:** Agriculture

**Population:** General

---

---

## **010241 - Agriculture Construction Skills**

**Grade Level:** 10 - 12

**Credits:** 1

**Description:** A course that describes theories, principles, and the application of construction of Agricultural related. Includes principles of carpentry, electricity, plumbing, material selection, use and care of tools, safety, etc.

**Content:** Agriculture

**Population:** General

---

## **010252 - Special Topics, Ag. Power, Structural & Technical Systems**

**Grade Level:** 11 - 12

**Credits:** 1-3

**Description:** Instruction related to Ag. Power, Structural & Technical Systems but not described in other courses.

**Content:** Agriculture

**Population:** General



# **Agricultural Education - Horticulture and Plant Science Systems (010600)**

Career Major: A group or courses that prepare individuals in producing, processing, and marketing plants for ornamental, recreational, and aesthetic purposes and to maintain and manage horticulture enterprises. Introduces the theory, principles and science of horticulture. Any course not found under this career major/sub code, may be found in another career major/sub code within this program area.

---

## **010610 - Crop Technology**

**Grade Level:** 10 - 12

**Credits:** 1

**Description:** A course that describes the theories, principles, and science of crop production.

**Content:** Agriculture

**Population:** General

---

## **010611 - Introduction to Greenhouse and Crop Production**

**Grade Level:** 10 - 12

**Credits:** 1

**Description:** A course that develops basic scientific knowledge and skills pertaining to management of soil and its effects on human and animal food and fiber production, the environment, and meeting basic needs of life. The relationship of soil to plant growth and horticulture will be emphasized. Plant anatomy, reproduction, growth, health, and current biotechnological advances will be included.

**Content:** Agriculture

**Population:** General

---

## **010621 - Floriculture & Floral Design**

**Grade Level:** 10 - 12

**Credits:** 0.5-1

**Description:** A course that describes theories, principles and the science of floral production, design and distribution.

**Content:** Agriculture

**Population:** General

---

---

## 010631 - Landscape & Turf Management

**Grade Level:** 10 - 12

**Credits:** 1

**Description:** A course that describes theories, principles and the science of Landscaping and Turf Management. Includes design and drawing, choosing plant materials, maintenance, marketing, etc.

**Content:** Agriculture

**Population:** General

---

## 010641 - Greenhouse Technology

**Grade Level:** 10 - 12

**Credits:** 1

**Description:** A course that describes theories, principles and the science of producing plants and crops within the greenhouse environment. Includes propagation, fertilization, control of pests, marketing, etc.

**Content:** Agriculture

**Population:** General

---

## 010651 - Nursery & Orchard Technology

**Grade Level:** 10 - 12

**Credits:** 1

**Description:** A course that describes theories, principles and the science of producing ornamental plants, fruit and nut plants and vegetable production. Includes propagation, nutrition, cultural practices, harvesting, marketing, etc.

**Content:** Agriculture

**Population:** General

---

## 010652 - Special Topics, Horticulture and Plant Science Systems

**Grade Level:** 11 - 12

**Credits:** 1-3

**Description:** Instruction related to Horticulture and Plant Science Systems but not described in other courses.

**Content:** Agriculture

**Population:** General

# Agricultural Education - Food Science and Processing Systems (010700)

Career Major: This group of courses prepares students for careers in the food science, processing, marketing & Distribution industries.

---

## 010701 - Food Processing, Distribution, and Marketing

**Grade Level:** 10 - 12

**Credits:** 1

**Description:** This course emphasizes the science & technology of processing, distributing and marketing food products.

**Content:** Agriculture

**Population:** General

---

## 010702 - Food Science and Technology

**Grade Level:** 10 - 12

**Credits:** 1

**Description:** This course emphasis the biological, chemical and physical science principles of converting raw agricultural products to food suitable for human consumption, as well as the technical applications involved in the process.

**Content:** Agriculture

**Population:** General

---

## 010709 - Special Topics, Food Science & Processing Systems

**Grade Level:** 11 - 12

**Credits:** 1-3

**Description:** Instruction related to Food Science & Processing Systems but not described in other courses.

**Content:** Agriculture

**Population:** General

# Agricultural Education - Agribiotechnology (020200)

Career Major: A group or courses that prepare individuals in principles, and science content of agricultural/life sciences, as related to the food, fiber, & natural resource industries of Agriculture. Also, this career major prepares students for careers in Agriscience, such as Bio-Technology, Veterinary Science, Food Science, Genetics, etc. Any course not found under this career major/sub code, may be found in another career major/sub code within this program area.

---

## 020210 - Agribiotechnology

**Grade Level:** 10 - 12

**Credits:** 1

**Description:** A course that describes the theories, principles, and science of high-tech agricultural/life science such as genetics, tissue culture, DNA extraction, cloning, etc.

**Content:** Agriculture

**Population:** General

---

## 020252 - Special Topics, Agribiotechnology

**Grade Level:** 11 - 12

**Credits:** 1-3

**Description:** Instruction related to Agribiotechnology but not described in other courses.

**Content:** Agriculture

**Population:** General

# Agricultural Education - Animal Science Systems (020500)

Career Major: A group of courses that describe the theories, principles and science of livestock production. Also, prepares students for careers in livestock production. Any course not found under this career major/sub code, may be found in another career major/sub code within this program area.

---

## 020501 - Animal Science

**Grade Level:** 10 - 12

**Credits:** 1

**Description:** A course that describes the theories, principles and science of animals and animal products, including nutrition, disease, management, etc.

**Content:** Animal Science

**Population:** General

---

## 020502 - Animal Technology

**Grade Level:** 10 - 12

**Credits:** 1

**Description:** A course that describes the theories, principles and science of animals, including nutrition, reproduction, health, management, etc.

**Content:** Animal Science

**Population:** General

---

## 020503 - Small Animal Technology

**Grade Level:** 10 - 12

**Credits:** 0.5 - 1

**Description:** A course that describes the theories, principles, and science of small animals, including pets, nutrition, health, reproduction, training, etc.

**Content:** Animal Science

**Population:** General

---

## 020510 - Equine Science

**Grade Level:** 10 - 12

**Credits:** 0.5 - 1

**Description:** A course that describes the theories, principles and science of horse production and management.

**Content:** Animal Science

**Population:** General

---

## 020511 - Veterinary Science

**Grade Level:** 10 - 12

**Credits:** 1

**Description:** This course introduces students to the field of veterinary science. Major topics include veterinary terminology, safety/sanitation, anatomy/physiology, clinical exam, hospital procedures, parasitology, posology, laboratory techniques, nutrition, disease, office management & animal management. Careers are also explored.

**Content:** Animal Science

**Population:** General

---

## 020520 - Aquaculture

**Grade Level:** 10 - 12

**Credits:** 0.5 - 1

**Description:** A course describing theories, principles and science of producing fish, sea food, etc., including growth, nutrition, harvesting, marketing, etc.

**Content:** Agriculture

**Population:** General

---

## 020552 - Special Topics, Animal Science Systems

**Grade Level:** 11 - 12

**Credits:** 1-3

**Description:** Instruction related to but not described in other courses.

**Content:** Animal Science

**Population:** General

# **Agricultural Education - Environmental and Natural Resources Systems (030600)**

Career Major: A group of courses that prepare individuals for careers involving conserving, improving and using natural resources such as air, water, soil, trees, wildlife, and recreation areas. Describe the theories, principles and science of natural resources. Any course not found under this career major/sub code, may be found in another career major/sub code within this program area.

---

## **030609 - Environmental Science and Technology**

**Grade Level:** 10 - 12

**Credits:** 1

**Description:** A course describing theories, principles and science of managing, protecting and utilizing natural resources and the environment, including land, air, water, wildlife, trees, etc.

**Content:** Agriculture

**Population:** General

---

## **030610 - Forestry**

**Grade Level:** 10 - 12

**Credits:** 0.5 - 1

**Description:** A course describing theories, principles and science of managing, preserving, maintaining, utilizing and harvesting forest assets and forest products. Study of silviculture practices.

**Content:** Agriculture

**Population:** General

---

## **030611 - Wildlife Resources**

**Grade Level:** 10 - 12

**Credits:** 0.5 - 1

**Description:** A course describing theories, principles and science of producing, managing, preserving and improving wildlife resources, including habitat management, harvesting marketing, etc.

**Content:** Agriculture

**Population:** General

---

---

## **030652 - Special Topics, Environmental Science & Natural Resource Systems**

**Grade Level:** 11 - 12

**Credits:** 1-3

**Description:** Instruction related to Environmental Science & Natural Resource Systems but not described in other courses.

**Content:** Agriculture

**Population:** General



# Agricultural Education - Career Major Electives (030700)

Courses not falling into one of the other career majors/sub codes

---

## 030702 - Leadership Dynamics - Agriculture

**Grade Level:** 9 - 12

**Credits:** 1/2 - 1

**Description:** This course is designed to assist students with developing skills needed to be successful leaders and responsible members of society. This student will develop personal attributes and social skills. Emphasis will be placed on interpersonal skills, team building, communication, personal development and leadership. This course will include opportunities for students to apply their knowledge.

**Content:** Leadership Dynamics

**Population:** General

---

## 030707 - Agricultural Math for CTE Credit

**Grade Level:** 10 - 12

**Credits:** 1

**Description:** This course is designed to emphasize high school math core content by utilizing agricultural education as the content for delivering the math concepts.

**Content:** Agriculture

**Population:** General

---

## 030708 - Agricultural Math for Math Credit

**Grade Level:** 10 - 12

**Credits:** 1E

**Description:** This course is designed to emphasize high school math core content by utilizing agricultural education as the content for delivering the math concepts. A correlation to the math content in the program of studies was used in developing this course to count as a 4th math elective.

**Content:** Agricultural Math for the Math Elective Requirement

**Population:** General

---

## 030711 - Agriscience

**Grade Level:** 9 - 12

**Credits:** 1

**Description:** A course that describes the science of the Agricultural food, fiber and natural resources industries.

**Content:** Agriculture

**Population:** General

---

## 030712 - Agriscience Interdisciplinary

**Grade Level:** 9 - 12

**Credits:** 1

**Description:** An interdisciplinary course that counts for Life Science credit for high school graduation. Teaches science through use of agricultural concepts.

**Content:** Agriscience for Life Science Credit

**Population:** General

---

## 030713 - Agri-biology Interdisciplinary

**Grade Level:** 10 - 12

**Credits:** 1

**Description:** An interdisciplinary course that counts for Life Science credit for high school graduation. Teaches biology through use of Agricultural concepts.

**Content:** Agribiology for Life Science Credit

**Population:** General

---

## 030714 - Principles of Agri-Science & Technology, Grade 8

**Grade Level:** 8 - 8

**Credits:** 0

**Description:** A foundational course describing the principles, theories and science of the Agricultural food, fiber natural resources industries.

**Content:** Agriculture

**Population:** General

---

## 030715 - Principles of Agri-Science & Technology, Grade 9

**Grade Level:** 9 - 9

**Credits:** 1

**Description:** A foundational course describing the principles, theories and science of the Agricultural food, fiber natural resources industries.

**Content:** Agriculture

**Population:** General

---

## 030717 - Agriscience Exploration Grade 6-8

**Grade Level:** 6 - 8

**Credits:** 0

**Description:** A beginning course that describes the science of the Agricultural food, fiber and natural resource industries.

**Content:** Agriculture

**Population:** General

---

---

## 030790 - Agricultural Education Co-op

**Grade Level:** 11 - 12

**Credits:** 1-3

**Description:** Cooperative Education for CTE courses indicated within the KY Department of Education provide supervised work site experience related to the student's identified career major. Students who participate receive a salary for these experiences, in accordance with local, state and federal minimum wage requirements.

**Content:** Agriculture

**Population:** General

---

## 030791 - Agricultural Education Internship

**Grade Level:** 11 - 12

**Credits:** 1-3

**Description:** Internship for CTE Courses provide supervised work-site experience for high school students who have completed courses leading to a career pathway. Internship experiences consist of a combination of classroom instruction and field experiences. Students receiving pay for intern experience are those participating in an experience that is a semester or longer and have an established employee-employer relationship. A non-paid internship affects those students who participate on a short term basis.

**Content:** Agriculture

**Population:** General